



Translation from Russian

SU AUTHOR'S CERTIFICATE 331,154

SPECIFICATION

SOIL CONSOLIDATION METHOD

The present invention relates to construction of roads and airfields.

The object of the present invention is to improve mechanical and physical properties of a soil.

The object is achieved by that lime taken in the amount of 2-3% by weight of the soil is preliminary injected into the soil, and then the soil is treated with bitumen-polymer emulsion.

Lime injected into the soil imparts water-resisting property to the soil, while bitumen-polymer emulsion imparts greater deformation capacity to the soil. The said bitumen- polymer emulsion is mass-produced domestically and has the following composition, %:

Bitumen БНД-40 (60)(BND-40)(60)) grade 50	
Emulsifier (sulfite alcohol waste liquor)	1.75
Water	48.25
Latex-type polymer of	
CKC-65-3 (SKS-65-3) grade	7 by weight of emulsion

Subject of Invention (Claims)

A method of soil consolidation used for construction, for example, of road or similar beds, which comprises mixing the soil with lime and bitumen emulsion, *characterized in that* with the object to improve mechanical and physical properties of the consolidated soil, lime taken in the amount of 2-3% by weight of soil is preliminary injected into the soil, and then the soil is treated with bitumen-polymer